

# Methodology and Technology Services



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## RAPID DELIVERY TECHNOLOGIES FOR ENTERPRISE ARCHITECTURE

1-day Public or In-house Course covering the latest  
Rapid Delivery Technologies for Enterprise Architecture

Presented by [Clive Finkelstein](#)

[Printable PDF Version](#)

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### Objectives

This course covers rapid delivery technologies for Enterprise Architecture. It can be presented stand-alone, or can follow the companion 1-Day course: "[Rapid Delivery Methods for Enterprise Architecture](#)"

- Learn how XML, XSL and XSLT are used with Enterprise Application Integration (EAI)
- Learn how Web Services and Service Oriented Architecture (SOA) can be used for rapid delivery
- Understand the Business Process Management (BPM) languages that are used with SOA
- Gain an overview of the products that are available to deliver the above technologies and

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understand their vendor strategies

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## Audience

CIO, CTO, Government Program Managers, Business Managers, Business Experts, IT Managers, Project Managers, Business Analysts, Systems Analysts, Enterprise Architects.

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## Course Outline

*Technologies, Products and Strategies for Rapid Delivery Technologies*

### 1. REVIEW OF XML, XSL AND XSLT FOR INTEGRATION

- Reviews the concepts of XML, Extensible Style Language Transformation (XSLT) and XSL that are used for integration by EAI, Web Services and SOA technologies

### 2. ENTERPRISE APPLICATION INTEGRATION (EAI) CONCEPTS

- Discusses Enterprise Application Integration (EAI) concepts with XML messaging standards
- Reviews EAI approach used by ebXML for EDI
- Reviews EAI vendor strategies and products, including webMethods, Microsoft, IBM, TIBCO, SeeBeyond, Vignette and others

### 3. WEB SERVICES CONCEPTS AND EVOLUTION

- Introduces concepts of Web Services, together with Simple Object Access Protocol (SOAP), Web Services Description Language (WSDL) and Universal Description, Discovery and Integration (UDDI)

### 4. REVIEW OF WEB SERVICES STRATEGIES AND PRODUCTS

- Discusses different Web Services scenarios and the market evolution of Web Services

- Examines the impact that Web Services have on existing EAI approaches
- Reviews strategies and products of Web Services vendors, including Microsoft, IBM, Oracle, Software AG, BEA, and others

## 5. SOA AND BPM CONCEPTS, STRATEGIES AND PRODUCTS

- Introduces the concepts of Service Oriented Architecture (SOA), Event Driven Architecture (EDA) and Business Process Management (BPM) languages for dynamic invocation
- Discusses BPM languages that are generated from Workflow Models or Process Models
- Several BPM languages are covered, including Business Process Execution Language (BPEL), Web Services Choreography Interface (WSCI), Business Process Modeling Language (BPML) and Business Process Specification Schema (BPSS) for ebXML
- Reviews strategies and products of SOA and BPM vendors, including Microsoft, IBM, SAP, Software AG, webMethods, SeeBeyond, TIBCO, Plumtree, Vignette, Intalio and others

## 6. RAPID DELIVERY USING XML, EAI, WEB SERVICES AND SOA

- Reviews integration technologies based on XML, XSL, XSLT, EAI, Web Services and SOA
- Shows how these integration technologies are used to deliver these priority areas rapidly into production, in 3-month increments
- Discusses maintenance methods based on these technologies and Enterprise Architecture that enable implemented e-Government and e-Business areas to respond rapidly to business changes

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## Instructor

### Clive Finkelstein

Clive Finkelstein is acknowledged worldwide as the "Father" of Information Engineering, and is Managing Director of Information Engineering Services Pty Ltd in Australia. He has over 43 years' experience in the Computer Industry. He has published many books and papers, and contributed Chapters and Forewords to books published by McGraw-Hill and Springer-Verlag. Clive has authored the following books:

- *"Information Engineering"*, James Martin and Clive Finkelstein, Savant Institute, Carnforth: Lancs UK (1981). This was the book that started the Information Engineering Revolution in the 1980's.
- *"An Introduction to Information Engineering"*, Clive Finkelstein, Addison-Wesley, Sydney: Australia (1989). This book covers the history and evolution of Information Engineering.
- *"Information Engineering: Strategic Systems Development"*, Clive Finkelstein, Addison-Wesley,

Sydney: Australia (1992). This is the "how-to" book on using Information Engineering.

- "*Building Corporate Portals with XML*", Clive Finkelstein and Peter Aiken, McGraw-Hill New York: NY (2000). This book covers methodologies and technologies for Enterprise Portals.
- "*Enterprise Architecture for Integration: Rapid Delivery Methods and Technologies*", Clive Finkelstein, Artech House, Norwood, MA (March 2006). This book brings together the methods and technologies for rapid delivery of Enterprise Architecture in 3-month increments. [Read the Book Review.](#)

Clive Finkelstein is an internationally renowned consultant and instructor, and has completed projects for Defense, Government and Commercial organizations throughout the world and in most industries. Many projects have involved the *Zachman Framework for Enterprise Architecture*, using the latest methods and technologies for rapid delivery of priority areas into implementation. These methods use Enterprise Engineering for rapid definition of Enterprise Architecture. His technology focus addresses Enterprise Integration technologies using XML, Enterprise Application Integration (EAI), Enterprise Portals, Web Services and Service-Oriented Architecture (SOA) for Business Process Management (BPM) using XML-based BPM languages.

He provides training and consulting in all aspects of the Zachman Framework for Enterprise Architecture, with rapid delivery of priority areas using Enterprise Engineering. His application of these methods in large and medium Government, Defense and Commercial enterprises results in *Business Transformation Enablement*, so that business and IT managers and their staffs can plan for and achieve rapid business change. Enterprise Architecture provides a Governance Analysis Framework that supports Sarbanes-Oxley and other Governance Audit requirements. It provides direct support and linkage to Balanced Scorecard for Strategy-Focused Organizations, to ensure that IT systems and databases support defined Scorecard Measures, Strategy Maps and Governance requirements.

Clive writes a monthly column, "*The Enterprise*" for DM Review magazine. Past issues are at <http://www.dmreview.com/>. He publishes a free, quarterly technology newsletter via email: "*The Enterprise Newsletter (TEN)*". Past issues of TEN are at: <http://www.ies.aust.com/>. His books and papers are at <http://www.ies.aust.com/cbfindex.htm>. He can be contacted at [cfink@ies.aust.com](mailto:cfink@ies.aust.com). Many in-house skills-transfer courses and seminars presented by Clive Finkelstein are at <http://svc004.bne009i.server-web.com/catalogue/visible/default.shtml>.



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